

IMS-10

MATERIAL SAFETY DATA SHEET

Section I:

Manufactures Name: Walling Chemical Company

Address: 2008 Westport Ave., Box 408, Sioux Falls, SD 57117-0408

Phone #: 605-336-6710

Date Prepared: 12-18-85

Product Identity: BG-1

Synonyms: STP, Polyphosphate

Section II: Hazardous Ingredients/Identity Information

Hazardous Components	OSHA PEL	ACGIH-TLV	Flammability	LEL	UEL
Sodium					
Tripolyphosphate	Not Listed	10mg/m ³ Total Dust	NA (0)	NA	NA
		5mg/m ³ Respirable Dust			

Other Cited Data: Acute oral LD50 greater than 1000 mg/kg in rats.

Comments: Water soluble.

Section III: Physical/Chemical Characteristics

Boiling Point: NA Specific Gravity (H₂O = 1): >1
Vapor Pressure: NA Melting Point: Unknown
pH: NA Evaporation Rate (Butyl acetate = 1): Non volatile
Appearance and odor: White granular material. No odor.

Section IV: Fire and Explosion Data

Flash Point: None
Extinguishing Media: Water CO₂, foam
Special Fire Fighting Procedures: None. Suitable for surrounding fires.
Unusual Fire and Explosion Hazards: None

Section V: Reactivity Data

Stability: Stable Yes Unstable No
Conditions to avoid: None
Incombatability: None

Hazardous Decomposition or By Products None

Hazardous Polymerization: Will Occur - Will Not Occur X

Section VI: Health Hazard Data

Routes of Entry: Inhalation Yes Skin Yes Ingestion Yes

Health Hazards (Acute and Chronic) Dust may cause nose and throat irritation.
Ingestion may cause nausea. Eyes and skin: Low irritation.

Carcinogenicity: NTP No IARC No

OSHA Regulated No Other No

Signs and Symptoms of Exposure: High dust levels may cause irritation of nose
and throat. Ingestion: Laxative effect, nausea. Eyes: Irritation.
Skin: Irritation.

Medical Conditions Aggravated by Exposure: Dust may aggravate respiratory
conditions.

Emergency and First Aid Procedures: Eyes and skin: Flush with water. Ingestion:
Rinse mouth with water, give water, seek medical advice. Inhalation:
Remove to fresh air.

Section VII: Precautions for Safe Handling and Use.

Steps to be taken in case material is released or spilled: Small amounts: Flush to sewer with
large quantities of water. Large amounts: Shovel and contain for salvage
for proper disposal.

Waste Disposal Method Follow Federal, State, and local regulations.

Precautions to be taken in handling and storing: Keep product dry when in storage.

Other precautions: Avoid dust coating practices.

Section VIII: Control Measures

Respiratory Protection: NIOSH approved dust mask when TLV are exceeded.

Ventilation: Local Exhaust Yes Special No
Mechanical (Type) Vent Fan Other No

Protective Gloves Recommended Eye Protection Goggles/Glasses

Other Eye wash.

Comments: General good practice and hygiene.

References Used:

Third Annual Report on Carcinogens
NTIS
Research Triangle Park, NC

Fire Hazard Properties of Flammable Liquids, Gases, and Volatile Solids (1984)
NFPA
Batterymarch Park, Quincy, MA 02269

OSHA Safety and Health Standards
(29 CFR 1910) OSHA 2206
U.S. Dept. of Labor
Washington, D.C. 20402

Threshold Limit Values and Biological Exposure Indices For 1985-86
ACGIH, Cincinnati, OH 45211